

ABSTRACT

**IMAGE PROCESSING METHOD FOR IMPROVING THE CONTRAST IN
A DIGITAL DISPLAY PANEL**

The invention relates to a method for processing an image displayed by a display device comprising at least one light source and one light valve. It comprises the following steps:

- applying a compression factor C to the grey levels of the image video signal that are higher than a threshold value NG_1 , the said threshold value being lower than the peak grey level value (NG_{max}) of the image video signal,
- adjusting the luminance of the light produced by the light source to the luminance value corresponding to the peak grey level (NG'_{max}) of the image after compression,
- multiplying the video signal delivered to the light valve by an expansion factor D equal to the ratio of the peak grey level of the image before compression (NG_{max}) over the peak grey level of the image after compression (NG'_{max}).

FIGURE 3